BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Detailed Estimate for the Work of Improvements to Road and Drains From Rail way level Crossing to jakkur tank in ward No 05 Byatarayanapura Sub Division

							Estimate Cost Rs.		**5000000.00**
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2013-14	cum							
	For Road Surface								
	Main Road		1	530.00	10.00	0.30	1590.00		
	Burm Cutting								
	Main Road		1	530.00	1.50	0.20	159.00		
							1749.00	126.36	**221004.00**
	Basic Rate	117.00							
	Area Weightage @ 8%	9.36							
	Total	**126.36**							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2013-14	Cum							
	For Drain		1X2	530.00	0.95	0.75	755.25		
							755.25	227.88	**172106.00**
	Basic Rate	211.00							
	Area Weightage @ 8%	16.88							
	Total	**227.88**							
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2013-14	**Sqm**							
	Main Road		1X2	530.00	1.75		1855.00		
							1855.00	343.44	**637081.00**
	Basic Rate	318.00							
	Area Weightage @ 8%	25.44							
	Total	**343.44**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 15.1.3: Providing **FLush pointing** to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 122/ Item No. 15.1/ PWD SR 2013-14	Sqm							
	For Slab Drain		2X2	530.00		0.50	1060.00		
							1060.00	79.92	**84715.00**
	Basic Rate	74.00							
	Area Weightage @ 8%	5.92							
	Total	**79.92**							
5	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 170/ Item No. 20.18/ PWD SR 2013-14	Cum							
	Main Road		1	530.00	10.00	0.23	1219.00		
							1219.00	1121.04	**1366548.00**
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	**1121.04**							
6	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 175/ Item No. 21.4/ PWD SR 2013-14	Sqm							
	Main Road		1	530.00	10.00		5300.00		
							5300.00	100.60	**533191.00**
	Basic Rate	93.15							
	Area Weightage @ 8%	7.45							
	Total	**100.60**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRRB M500-18: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. P. No. 174/ Item No. 21.20/ PWD SR 2013-14	Cum							
	Main Road		1	530.00	10.00	0.025	132.50		
							132.50	9631.44	**1276166.00**
	Basic Rate	8918.00							
	Area Weightage @ 8%	713.44							
	Total	**9631.44**							
8	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				**2504.25**		
							2504.25	67.32	**168586.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading	62.20							
	Total	**67.32**							
							Grand Total		**4459397.00**
9	For 1% Third Party Charges								**44594.00**
10	**KRIDL Charges and labour Cess 11%**								**490534.00**
11	Miscesallaneous Charges	L/S							**5475.00**
								Total	**5000000.00**

Technical Sanction for Rs. 50.00 Lakhs
Fifty Lakhs only
P2654
Registered for ₹ [illegible] Subject to conditions contained [illegible]
No: 72 Dt. 21.2.14
AE/JE
EE (BTP.Div.)

(Rupees Fifty Laksh Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2013-14
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
KRIDL

Assistant Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Assistant Engineer
Ward No. 05(Jakkur)
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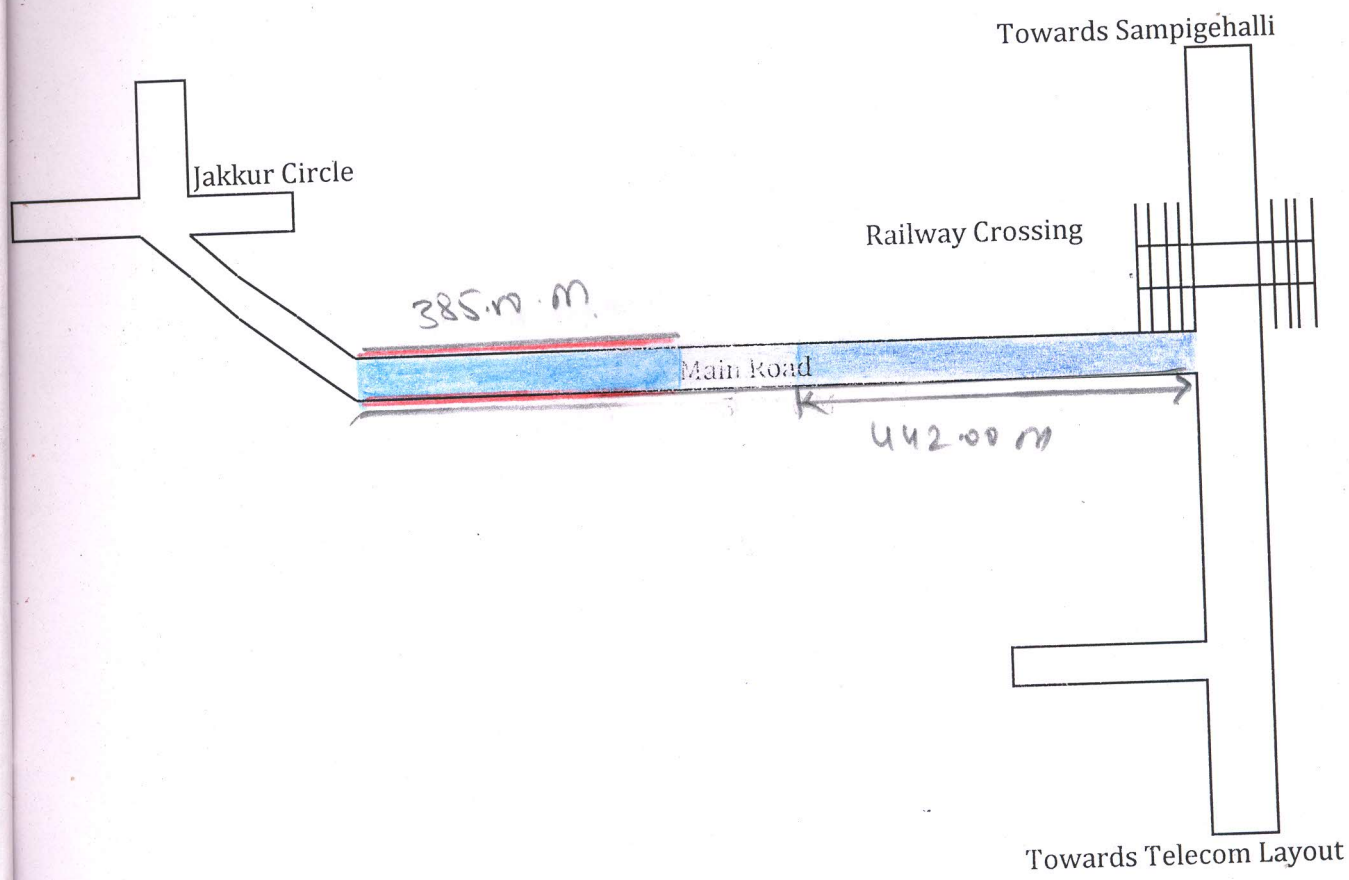
Techinical Manager
KRIDL

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Assistant Executive Engineer,
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ame of Work: Improvements to Roads and Drains from Rail way Lelve Crossing to Jakkur Tank in Ward No. 05, Byataraynapura Sub Division.



- Asphalt Road

B.S. Slab Drain

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division